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	2		
	3	What i	is claimed is:
	4		
	5	1.	In a computer system having a graphical user interface, a plug and play interface
	6	for use	er actions, said plug and play interface comprising:
	7		means for establishing a file containing information about said user actions;
	8		means for reading said file to determine certain of said user actions to be
2010 1	9	impler	mented; and,
	110 111 12 13		means for permitting said user to execute a portion of said certain of said user
	11	actions	s through operation of said graphical user interface.
	12		
	13	2.	The plug and play interface of claim 1 and wherein said computer system is
The first first that the same	14	include	ed within a client-server network.
	15		
ind jul	16	3.	The plug and play interface of claim 1 and wherein said file is a text file.
	17		
	18	4.	The plug and play interface of claim 3 and wherein the language used in said text
	19	file is	XML.
	20		
	21	5.	The plug and play interface of claim 1 and wherein said information includes

every possible one of said user actions.

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- 6. The plug and play interface of claim 5 and wherein said file establishing means 1
- includes means for establishing a plurality of files containing a like plurality of subsets of 2
- said information respectively, where totality of said subsets of said information 3
- encompasses said every possible one of said user actions. 4
- 7. The plug and play interface of claim 1 and wherein said file reading means 6
- 7 includes censoring means to censor other than said certain of said user actions to be
- implemented. 8

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- The plug and play interface of claim 1 and further comprising: 8.
- said computer system having memory including at least one table; and,
- said file reading means includes means for storing said certain of said user actions
- to be implemented in said at least one table.
- The plug and play interface of claim 8 and wherein said certain of said user 9.
- 111 12 13 14 15 15 actions stored in said at least one table are formulated in Java language. 16
 - 10. The plug and play interface of claim 1 and wherein said user permitting means 18
 - includes means, operating on said graphical user interface, for greying-out other than said 19
 - portion of said certain of said user actions. 20
 - The plug and play interface of claim 2 and wherein said file is a text file. 11. 22

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text file is XML. 2

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The plug and play interface of claim 12 and wherein said information includes 4 13.

The plug and play interface of claim 11 and wherein the language used in said

every possible one of said user actions. 5

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- The plug and play interface of claim 13 and wherein said file establishing means 14. 7
- includes means for establishing a plurality of files containing a like plurality of subsets of 8
- 9 said information respectively, where totality of said subsets of said information
 - encompasses said every possible one of said user actions.

- The plug and play interface of claim 14 and wherein said file reading means 15.
- includes censoring means to censor other than said certain of said user actions to be
- implemented.

- The plug and play interface of claim 15 and further comprising: 16.
- said computer system having memory including at least one table; and, 17
- said file reading means includes means for storing said certain of said user actions 18
- to be implemented in said at least one table. 19

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- The plug and play interface of claim 16 and wherein said certain of said user 17. 21
- actions stored in said at least one table are formulated in Java language. 22

- 1 18. The plug and play interface of claim 17 and wherein said user permitting means,
- 2 operating on said graphical user interface, includes means for greying out other than said
- 3 portion of said certain of said user actions on said graphical user interface.
- 6 19. In a computer system having a graphical user interface a method for
- 7 implementing user actions comprising:

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- 8 establishing a file containing information about said user actions;
- reading said file to determine certain of said user actions to be implemented; and,
 - permitting said user to execute a portion of said certain of said user actions
 - through operation of said graphical user interface.
 - 20. The method of claim 19 and wherein said computer system is included within a client-server network.
- The method of claim 19 and wherein said file is a text file.
 - 18 22. The method of claim 21 and wherein the language used in said text file is XML.
 - 20 23. The method of claim 19 and wherein said information includes every possible one
 - of said user actions.

- The method of claim 23 and wherein said file establishing includes establishing a 24. 1
- plurality of files containing a like plurality of subsets of said information respectively, 2
- where totality of said subsets of said information encompasses said every possible one of 3
- said user actions. 4

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- The method of claim 19 and wherein said file reading includes censoring to 25. 6
- censor other than said certain of said user actions to be implemented. 7

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- The method of claim 19 and further comprising: 9 26.
 - said computer system having memory including at least one table; and,
 - said file reading includes storing said certain of said user actions to be
 - implemented in said at least one table.

- The method of claim 26 and wherein said certain of said user actions stored in 27.
- said at least one table are formulated in Java language.

- The method of claim 19 and wherein said user permitting includes operating on 28. 17
- said graphical user interface, for greying-out other than said portion of said certain of said 18
- user actions. 19

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29. The method of claim 20 and wherein said file is a text file. 21

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The method of claim 29 and wherein the language used in said text file is XML. 23 30.

- 2 31. The method of claim 30 and wherein said information includes every possible one
- 3 of said user actions.

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- 5 32. The method of claim 31 and wherein said file establishing includes establishing a
- 6 plurality of files containing a like plurality of subsets of said information respectively,
- 7 where totality of said subsets of said information encompasses said every possible one of
- 8 said user actions.

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33. The method of claim 32 and wherein said file reading includes censoring to censor other than said certain of said user actions to be implemented.

- 34. The method of claim 33 and further comprising:
- said computer system having memory including at least one table; and,
 - said file reading includes storing said certain of said user actions to be
- implemented in said at least one table.

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The method of claim 34 and wherein said certain of said user actions stored in said at least one table are formulated in Java language.

- 21 36. The method of claim 35 and wherein said user permitting includes operating on
- said graphical user interface, for greying out other than said portion of said certain of said
- user actions on said graphical user interface.

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3	37.	In a computer system	having a graphic	al user interface, a	computer program
9	J	an a comparer by brein	**************************************	000	

- product for use on said system and by which user actions are implemented, said computer
- 5 program product including a computer usable medium having computer readable
- 6 program code thereon, said computer readable program code comprising:
- 7 program code for establishing a file containing information about said user
- 8 actions;

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- program code for reading said file to determine certain of said user actions to be implemented; and,
- program code for permitting said user to execute a portion of said certain of said user actions through operation of said graphical user interface.
- 38. The computer program product of claim 37 and wherein said computer system is included within a client-server network.
- 17 39. The computer program product of claim 37 and wherein said file is a text file.
- 19 40. The computer program product of claim 39 and wherein the language used in said 20 text file is XML.
- The computer program product of claim 37 and wherein said information includes every possible one of said user actions.

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- 42. The computer program product of claim 41 and wherein said program code for 2
- file establishing includes program code for establishing a plurality of files containing a 3
- like plurality of subsets of said information respectively, where totality of said subsets of 4
- said information encompasses said every possible one of said user actions. 5
- The computer program product of claim 37 and wherein said program code for 43. 7
- file reading includes program code for censoring to censor other than said certain of said 8
- user actions to be implemented. 9
 - The computer program product of claim 37 and further comprising: 44.
- said computer system having memory including at least one table; and,
- said program code for file reading includes program code for storing said certain
- of said user actions to be implemented in said at least one table.
- The computer program product of claim 44 and wherein said certain of said user 45. 16
- actions stored in said at least one table are formulated in Java language. 17
- 46. The computer program product of claim 37 and wherein said program code for 19
- user permitting includes program code for operating on said graphical user interface, for 20
- greying-out other than said portion of said certain of said user actions. 21
- The computer program product of claim 38 and wherein said file is a text file. 47. 23

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- 48. The computer program product of claim 47 and wherein the language used in said 2 text file is XML. 3
- 49. The computer program product of claim 48 and wherein said information includes 5 every possible one of said user actions. 6
 - The computer program product of claim 49 and wherein said program code for 50. file establishing includes program code for establishing a plurality of files containing a like plurality of subsets of said information respectively, where totality of said subsets of said information encompasses said every possible one of said user actions.
 - 51. The computer program product of claim 50 and wherein said program code for file reading includes program code for censoring to censor other than said certain of said user actions to be implemented.
- The computer program product of claim 51 and further comprising: 52. 17 said computer system having memory including at least one table; and, 18 said program code for file reading includes program code for storing said certain 19 of said user actions to be implemented in said at least one table. 20
- 53. The computer program product of claim 52 and wherein said certain of said user 22 actions stored in said at least one table are formulated in Java language. 23

and,

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2	54. The computer program product of claim 53 and wherein said program code for
3	user permitting includes program code for operating on said graphical user interface, for
4	greying out other than said portion of said certain of said user actions on said graphical
5	user interface.
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8	55. In a computer system having memory and a user interface capable of operating
9	with a plurality of user actions, a system by which said user-interface is implemented
10	comprising:
11	means for establishing a text file in said memory in which all possible said
12	plurality of user actions are contained;
13	means for establishing a table in said memory;
14	means for establishing an application framework which reads said text file to store
15	certain of said plurality of user actions in said table;
16	means for establishing a minimum application requirement for each of said
17	certain of said plurality of user actions;
18	means for comparing said each of said certain of said plurality of user actions
19	selected by said user with its respective said minimum application requirement;
20	means, responsive to operation of said comparing means indicating that said
21	minimum requirement is met for at least a subset of said each of said certain of said
22	plurality of user actions selected, for determining if any action of said subset is available;

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1	means, responsive to operation of said determining means indicating that said any
2	action is available, for executing said any action.

- 4 56. The system of claim 55 and wherein said user interface is a graphical user
- 5 interface.

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- 7 57. The system of claim 56 and wherein said text file is formulated in XML computer language.
 - 58. The system of claim 56 and wherein said table is formulated in Java computer language.
 - 59. The system of claim 56 and further comprising:
 - means, responsive to operation of said comparing means indicating that said minimum requirement is not met for a group of user actions excluded from said at least a subset, for inhibiting execution of any user actions included within said group.
- 19 60. In a computer system having memory and a user interface capable of operating
- 20 with a plurality of user actions, a computer program product for use on said system and
- 21 by which user actions are implemented, said computer program product including a
- 22 computer usable medium having computer readable program code thereon, said computer
- 23 readable program code comprising:

1	program code for establishing a text file in said memory in which all possible said
2	plurality of user actions are contained;
3	program code for establishing a table in said memory;
4	program code for establishing an application framework which reads said text file
5	to store certain of said plurality of user actions in said table;
6	program code for establishing a minimum application requirement for each of
7	said certain of said plurality of user actions;
8	program code for comparing said each of said certain of said plurality of user
9	actions selected by said user with its respective said minimum application requirement;
10	program code, responsive to operation of said comparing program code indicating
11	that said minimum requirement is met for at least a subset of said each of said certain of
12	said plurality of user actions selected, for determining if any action of said subset is
13	available; and,
14	program code, responsive to operation of said determining program code
15	indicating that said any action is available, for executing said any action.
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17	61. The system of claim 60 and wherein said user interface is a graphical user
18	interface.
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20	62. The system of claim 61 and wherein said text file is formulated in XML computer
21	language.

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The system of claim 61 and wherein said table is formulated in Java computer 63. 1 language. 2 3 The system of claim 61 and further comprising: 64. 4 program code, responsive to operation of said comparing program code indicating 5 that said minimum requirement is not met for a group of user actions excluded from said 6 at least a subset, for inhibiting execution of any user actions included within said group. 7 8 9 In a computer system having memory and a user interface capable of operating 65. 111 12 13 14 15 16 with a plurality of user actions, a method by which said user-interface is implemented, said method comprising: establishing a text file in said memory in which all possible said plurality of user actions are contained; establishing a table in said memory; establishing an application framework which reads said text file to store certain of said plurality of user actions in said table; 17 establishing a minimum application requirement for each of said certain of said 18 plurality of user actions; 19 comparing said each of said certain of said plurality of user actions selected by 20

said user with its respective said minimum application requirement;

1 responsive to said comparing indicating that said minimum requirement is met for 2 at least a subset of said each of said certain of said plurality of user actions selected, for 3 determining if any action of said subset is available; and, 4 responsive to operation of said determining indicating that said any action is 5 available, for executing said any action. 6 66. 7 The method of claim 65 and wherein said user interface is a graphical user interface. 8 9 10 11 11 67. The method of claim 66 and wherein said text file is formulated in XML computer language. 12 68. The method of claim 66 and wherein said table is formulated in Java computer **三** 14 language. Ü 15 16 69. The method of claim 66 and further comprising: responsive to operation of said comparing indicating that said minimum 17 requirement is not met for a group of user actions excluded from said at least a subset, for 18 inhibiting execution of any user actions included within said group. 19 20 21 22 70. In a client server network, said client having a user interface and a memory 23 including a table for storing at least menu items of said user interface, a method for

1	determining which actions of said user shall be displayed on, and communicated to said
2	network through, said user interface, said method comprising:
3	reading said file and storing menus and menu-items of said file in said table;
4	said user selecting one of said menus to obtain a user-selected menu;
5	detecting one of said menus to be displayed on said user interface corresponding
6	to said user selected menu;
7	for said one of said menus displayed as a menu selected from the group consisting
8	of popup menu and main menu, consulting said table to get a selected menu
9	corresponding to said user-selected menu;
10	for each menu-item in said selected menu calling is Available and thereby
11	showing said each menu-item in a visual state selected from the group consisting of
12	normal visual state and grayed-out visual state;
13	if said normal visual state, calling actionPerformed to perform said action;
14	if said grayed-out visual state, bypassing said calling action performed; and,
15	repeating said selecting, detecting, consulting, calling and thereby showing,
16	calling and bypassing until all of said which actions have been determined.
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19	71. In a computer system having memory including a table for storing objects and
20	having a user interface, a computer program product for use on said system and by which
21	a determination of which actions of said user shall be displayed on said user interface,
22	said computer program product including a computer usable medium having computer
23	readable program code thereon, said computer readable program code comprising:

1	program code for reading said file and storing menus and menu-items of said file
2	in said table;
3	said user employing program code for selecting one of said objects to obtain a
4	user-selected object;
5	program code for detecting one of said menus to be displayed on said user
6	interface corresponding to said user selected object;
7	for said one of said menus displayed as a menu selected from the group consisting
8	of popup menu and main menu, program code for consulting said table to get a selected
9	menu corresponding to said user-selected object;
10	for each menu-item in said selected menu, program code for calling is Available
11	and thereby showing said each menu-item in a visual state selected from the group
12	consisting of normal visual state and grayed-out visual state;
13	if said normal visual state, program code for calling actionPerformed to perform
14	said action;
15	if said grayed-out visual state, program code for bypassing said program code for
16	calling action performed; and,
17	program code for repeating said program code for selecting, program code for
18	detecting, program code for consulting, program code for calling and thereby showing,
19	program code for calling and program code for bypassing until all of said which actions
20	have been determined.
21	

72. A method for manufacturing graphical user interface software employed in a 1 2 computer system to be utilized by a user, said method comprising: 3 establishing a text file containing both all possible menus of said graphical user interface and their respective menu items, said all possible menus corresponding 4 respectively to all system objects in said system: 5 6 integrating first code and second code into said software to be supplied to said user, said first and second code to operate on selected objects responsive to requests from 7 said user; 8 9 including censor code into said software that eliminates availability of certain of 10 11 12 12 13 said selected objects; reading said text file to obtain said menus and to obtain said their respective menu-items; storing said menus and said their respective menu-items as Java language objects; 14 and, testing and preparing said software for shipment to said user. 16 73. 17 The method of claim 72 and wherein said text file is written in XML computer 18 language. 19 74. 20 The method of claim 73 and wherein said first code is Java is Available code and

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said second code is Java actionPerformed code.